

CLAIMS

I claim:

- 5 1. A jewelry setting/presetting tool comprising:
 a bracket assembly including a board-like mounting bracket
being adapted to fasten to a bench or the like and having an
opening being disposed therethrough from a topside to a bottom
side thereof;
- 10 a tubular base member being secured in said opening of said
board-like mounting bracket and having an open bottom end and an
open top end;
 a work-piece support member being adjustably fastened in
said tubular base member through said open bottom end thereof;
- 15 a tool support member being movably disposed in said tubular
base member;
 a working tool assembly being securely and removably
fastened to said tool support member for setting and presetting
jewelry; and
- 20 a means of moving said tool support member and said working
tool assembly in said tubular base member for presetting and
setting a stone in the work-piece.
- 25 2. A jewelry setting/presetting tool as described in claim 1,
wherein said board-like mounting bracket further includes a
threaded bore being disposed in an end wall thereof and being
disposed in said opening thereof, and also includes bench-mounting
holes being disposed therethrough and being adapted to receive
fasteners for fastening said board-like mounting bracket to the
30 bench or the like.

3. A jewelry setting/presetting tool as described in claim 2, wherein said bracket assembly also includes an elongate fastening member being threaded through said threaded bore of said board-like mounting bracket and having a threaded shaft and a handle.

5

4. A jewelry setting/presetting tool as described in claim 3, wherein said tubular base member further has an opening being disposed through a wall thereof, and also has a first longitudinal slot being disposed through said wall and through an upper edge forming said opening of said tubular base member, and further has a
10 second longitudinal slot being disposed through said wall and being diametrically-opposed to said first longitudinal slot.

5. A jewelry setting/presetting tool as described in claim 4,
15 wherein said work-piece support member includes a cylindrical member which is securely engaged with said elongate fastening member in said tubular base member and having an extension wall extending outwardly from a top of said cylindrical member, and also includes a handle member being attached to a bottom of said
20 cylindrical member for moving said cylindrical member in said tubular base member, and further includes a work-piece holder being attached to said extension wall and being spaced above said top of said cylindrical member.

25 6. A jewelry setting/presetting tool as described in claim 5, wherein said tool support assembly includes a tool support member being movably disposed in an upper portion of said tubular base member, and also includes a locking pin being biasedly disposed through said tool support member and being slidably disposed in
30 said first longitudinal slot of said tubular base member.

7. A jewelry setting/presetting tool as described in claim 6,
wherein said tool support member includes a tubular portion and a
toothed bar portion being movably disposed through said second
5 longitudinal slot of said tubular base member, said locking pin
being disposed through a hole in a wall of said tubular portion of
said tool support member.

8. A jewelry setting/presetting tool as described in claim 7,
10 wherein said locking pin includes a shaft, a sleeve being disposed
about said shaft, and a collar being disposed about an end of said
sleeve.

9. A jewelry setting/presetting tool as described in claim 8,
15 wherein said working tool assembly includes a drill assembly
including a drill support member being securely fastened with said
locking pin in said tubular portion of said tool support member, and
also including a drill having a motor and a rotatable shaft being
disposed through said drill support member, and further including a
20 countersink bit being mounted to an end of said rotatable shaft, and
also including a power cord being attached to said motor.

10. A jewelry setting/presetting tool as described in claim 9,
wherein said drill support member is a cylindrical block having an
25 annular flange being disposed about a top end thereof.

11. A jewelry setting/presetting tool as described in claim
10, wherein said working tool assembly also includes a setting bit
support member being securely fastened with said locking pin in
30 said tubular portion of said tool support member, and also

including a shaft being attached to a bottom end of said setting bit support member, and further including a stone setting bit being attached to an end of said shaft for setting a stone in the work-piece.

5

12. A jewelry setting/presetting tool as described in claim 11, wherein said setting bit support member is a cylindrical block having an annular flange being disposed about a top end thereof.

10

13. A jewelry setting/presetting tool as described in claim 11, wherein said means of moving said tool support member and said working tool assembly includes a support column being securely mounted upon said board-like mounting bracket, and also includes an axle being rotatably mounted to said support column, and further includes a gear being mounted to said axle for rotation therewith and being engaged to said toothed bar portion of said tool support member, and also includes a lever being mounted to said axle for the rotation of said gear.

15

20

14. A jewelry setting/presetting tool as described in claim 13, wherein said support column includes a longitudinal slot disposed in a top end thereof with said axle being journaled through said longitudinal slot and with said gear being rotatably disposed in said longitudinal slot.

25

30